

# Recombinant Human Chemokine (C-C motif) Ligand 2, His-tagged

**Cat. No.** CCL2-63H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human CCL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 10.9 kDa (97 aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Chemokine (C-C motif) ligand 2 (CCL2) is a small cytokine belonging to the CC chemokine family that is also known as monocyte chemotactic protein-1 (MCP-1). CCL2 recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MQPDAINAPV TCCYNFTNRK ISVQRLASYR RITSSKCPKE AVIFKTIVAK EICADPKQKW VQDSMDHLDK QTQTPKT
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 20% glycerol
<b>Purity</b>	> 95 % by SDS - PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)

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**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [CCL2 chemokine \(C-C motif\) ligand 2 \[ Homo sapiens \]](#)

**Synonyms** GDCF-2; HC11; HSMCR30; MCAF; MCP-1; MCP1; MGC9434; SCYA2; SMC-CF; Monocyte chemoattractant protein 1; Monocyte chemotactic and activating factor; Monocyte chemotactic protein 1; Monocyte secretory protein JE; Small-inducible cytokine A2; chemokine (C-C motif) ligand 2; monocyte chemoattractant protein-1; small inducible cytokine A2; small inducible cytokine A2 (monocyte chemotactic protein1, homologous to mouse Sig-je); small inducible cytokine subfamily A (Cys-Cys), member 2; CCL2; C-C motif chemokine 2

**Gene ID** [6347](#)

**mRNA Refseq** [NM\\_002982](#)

**Protein Refseq** [NP\\_002973](#)

**MIM** [158105](#)

**UniProt ID** [P13500](#)

**Chromosome Location** 17q11.2-q12

**Pathway** Cytokine-cytokine receptor interaction

**Function** CCR2 chemokine receptor binding; G-protein-coupled receptor binding; chemokine

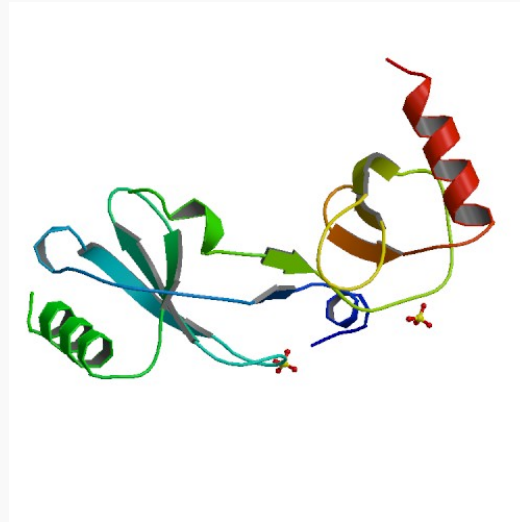
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activity; protein kinase activity;signal transducer activity

PDBrendering based  
on 1dok. Available  
structures:1dok,1dol,1d



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